

DETAILED ACTION

Allowable Subject Matter

Claims 2, 4, 5, 7-10, 12-14, 16, 18-20 are allowed.

Reasons for Allowance

Claims 2, 4, 5, 7-10, 12-14, 16, 18-20 are allowed since there is no prior art of record that teaches or suggests a flat panel display comprising a relationship of various elements as claimed with the specific allowable subject matter cited in the following claim:

Claim 12:

- a layer of liquid crystal interposed between said front and rear glass plates
- a TFT array layer interposed between said front and rear glass plates
- a metal heater layer integral to said TFT array layer

(wherein the metal heater layer *integral* is actually *built into and lies between* elements of the TFT array layer, and the *integral* heater does not interfere with the pixel aperture and thus the viewed image – emphasis added)

Claims 4, 5, 7-10, 13, 14, 16 and 18-20 are allowed since they depend on the allowed claim 12.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ohnishi et al (US 2004/0036834) disclose a flat panel display comprising a heater layer formed on a thin film transistor substrate or on a color filter substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to (Nancy) Thanh-Nhan P. Nguyen whose telephone number is 571-272-1673. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner

Art Unit 2871

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